

SOLDATKIN, M.T., kand. tekhn. nauk, dotsent; MUKHIN, O.A., assistant; AN-  
DREYEVSKIY, A.K., tsent; KURPAN, M.I., kand. tekhn. nauk, dotsent;  
ODEL'SKIY, E.Kh., doktor tekhn. nauk, prof.; ANDREYEVSKIY, A.K., kand.  
tekhn. nauk, dotsent, red.; KONTSEVAYA, T.V., red.; KUZ'MENOK, P.T.  
tekhn. red.

[Laboratory exercises in heating, ventilation, and gas supply] Labora-  
tornyi praktikum po otoplenniu, ventiliatsii i gazosnabzheniiu. Pod  
obshchei red. E.Kh.Odel'skogo i A.K.Andreevskogo. Minsk, Redaktsionno-  
izdatel'skii otdel BPI, 1960. 143 p. (MIRA 14:7)

1. Minsk. Belorusskiy politekhnicheskiy institut. Kafedra "Teplogazo-  
snabzheniye i ventilyatsiya." (Ventilation), (Heating) (Gas—Heating and cooking)

ANDRLEYEVSKIY, D.N.

**Phenols from the tar of Kashpira shale.** R. V. Rakovskii and D. N. Andrijevskii. Akim., Tverdoe Toplino 3, 632 (No. 1932).—The phenols sepd. from the Ostashkov shale contain only 27.3% of more or less stable acidic substances which distil below 218° at 6 mm., whereby 21.2% pitch is left. The balance, except 0.73% of acids, constitutes neutral substances and acidic asphaltenes, which in part are emulsified with the phenolates and which are obtained from unstable acidic products. The neutral oil is composed of O-contg. substances with a carbonyl group. All the stable acidic phenol parts contain S, the fraction boiling below 230° at atm. pressure contg. 0.5-0.8% S and the others 3-5%. A repeated conversion of phenols sepd. from phenolates in the Ostashkov plant, carried out via the phenolates, followed by air blowing of the obtained alk. solns. and washing with ether, produces air-stable phenols in alk. solns. The high-boiling, S-contg. fractions resist decompos. when heated to 700°, while the lighter ones decompose. Among the ether solns. of the fractions a 20% min. cuts.

## ABSTRACTS METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101410013-0"

from the lower fractions a product higher in S than those left over in the ether extractable with alkalies. NH<sub>4</sub>OH has practically no effect on the higher-boiling fractions. Carbolic acid was not detected while cresols and xylenols (fraction b. 200-225°) amount to 2.45% of the wt. of the crude phenols. More or less stable phenols with a S

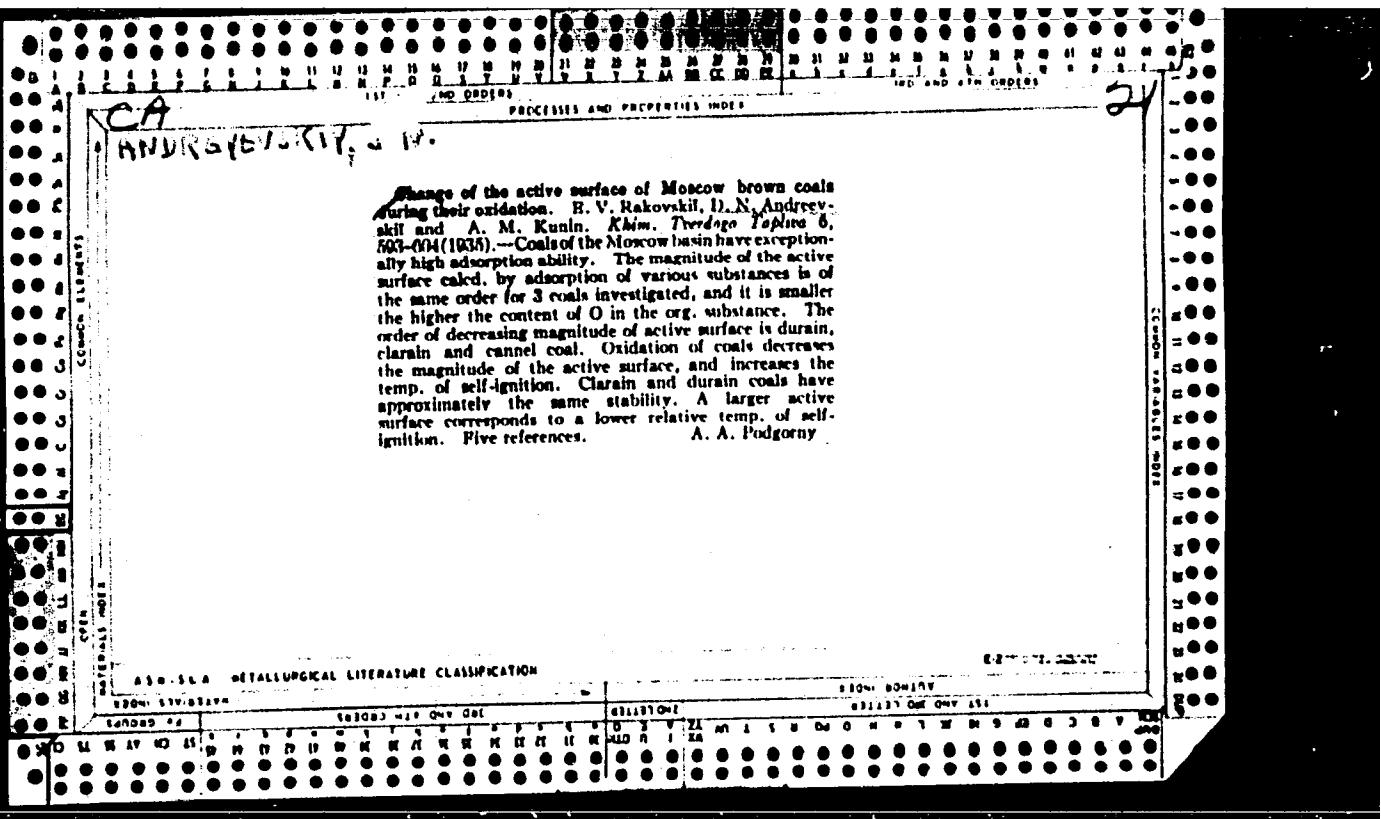
content of up to 0.8% and boiling up to 230° are present up to 3.00% in the crude phenols. The remaining 24.4% of the stable acidic products distill at higher temps. The S content in the lower-boiling fraction may be lowered to 0.33% through condensation with molasses, though attempts to remove the S from the higher-boiling fractions were unsuccessful. One of the highest-boiling fractions could be crystd. after the application of the differences in the degree of hydrolysis, polymerization and the difference in the solv. of the phenols in mixts. of ether with petroleum ether. A. A. Bochtingk

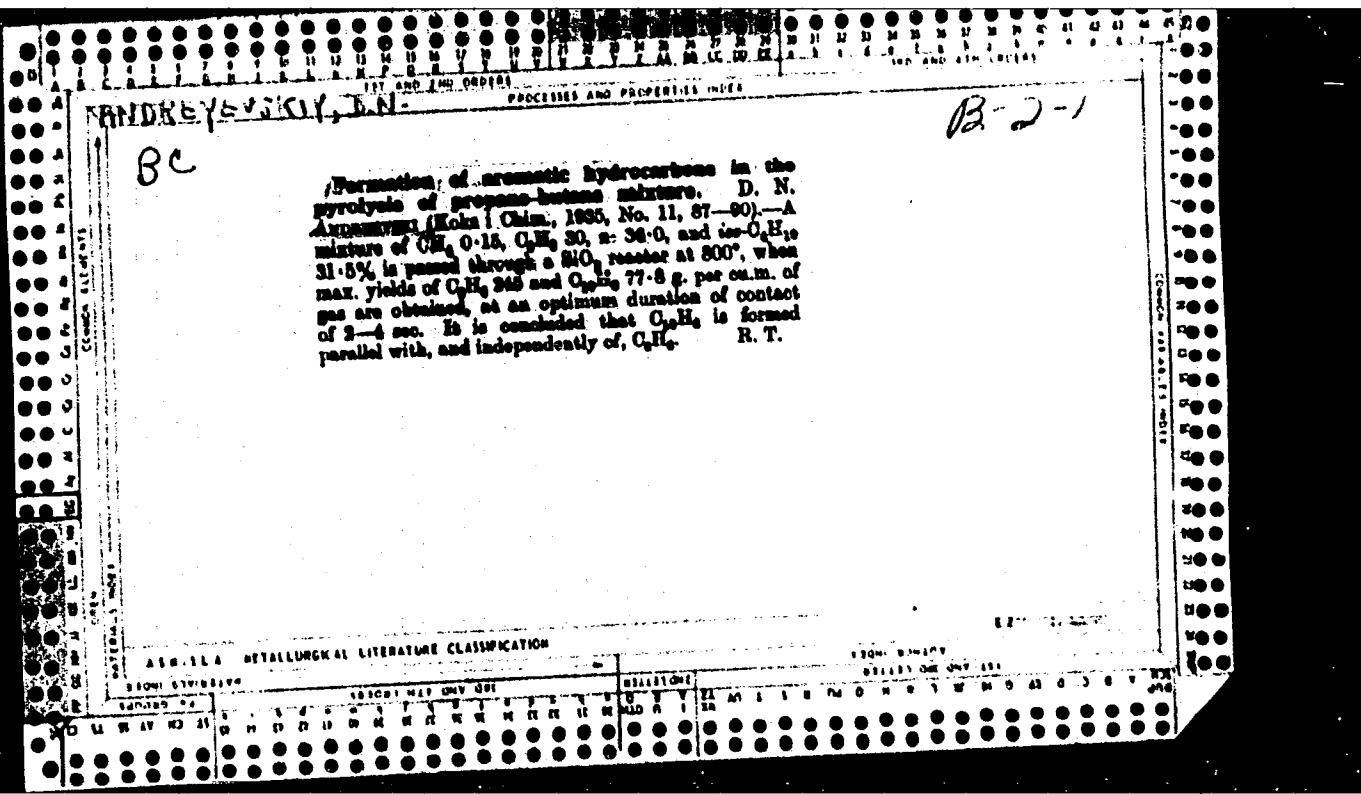
АНДРЕЕВСКИЙ, Д.Н.

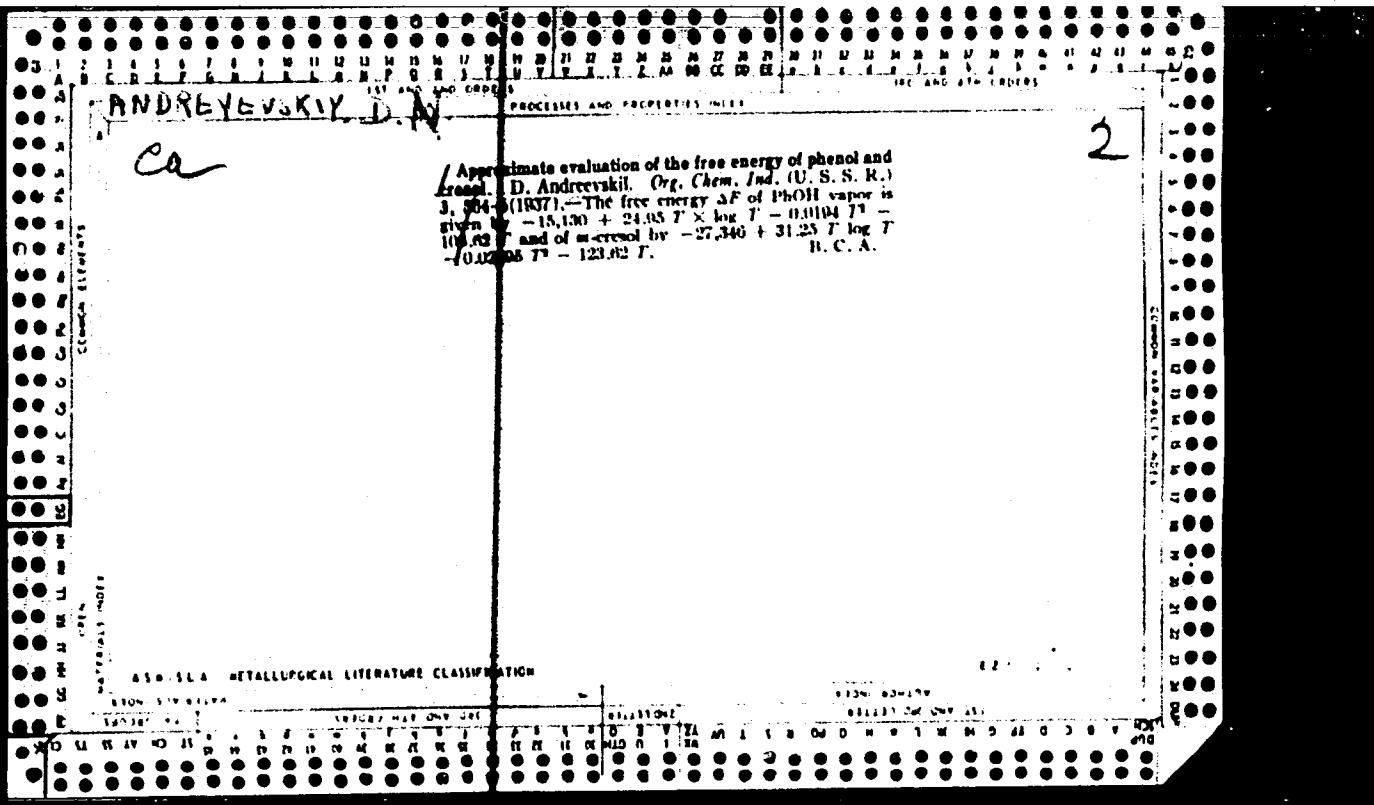
The composition of the acidic fractions of the tars from Petrograd shales. D. N. Andreevskii and A. F. Chargin-Khim. *Tverdoe Topnye* 6, 409-410 (1933).—The investigated acidic fractions of two tars from the Petrograd shales are very much alike in the amines, of low-boiling phenols present. Thus, from the straight-run gasoline, the tribromo deriv. of the 1,3,5-xyleno was sept., and mixts. of cresylo- and tolyleno-acetic acids have been identified. The higher-boiling parts of the acidic fraction are composed of phenols and acidic asphaltenes. The acidic asphaltenes yield on distn. at atm. pressure low-boiling neutral oils (gasolines), phenols, which are insol. in petroleum ether, and high-boiling oils, whereby  $\text{CO}_2$  is produced during distn. The acidic asphaltenes are converted into the Na salts of the acids on sapon. Thus, the acidic asphalt most probably are lactonic and anhyd. types of phenol acids or hydroxy acids. The phenols are more stable to heat than the acidic asphaltenes.

They are almost free from esters or acid anhydrides and accordingly they produce only small amounts of  $\text{CO}_2$  and neutral oils. The tar produced in gas retorts contains about 15% of the acidic fraction, which contains only 30% of phenols. The tar from the tunnel furnaces contains about 6.5% phenols, which are probably contaminated with acidic asphaltenes. A. A. B.

PROCESS AND PROPERTY INDEX										PROCESS AND PROPERTY INDEX									
ANNUAL SURVEY, 1951										ANNUAL SURVEY, 1951									
THE COMPOSITION OF THE ACIDIC FRACTION OF THE TAR FROM PETROGRAD SHALES. D. N. Andreevskii and A. P. Chergi. Khim. Tverdogo Topfpa 6, 400-501 (1953).—The investigated acidic fractions of two tars from the Petrograd shales are very much alike in the amounts of low-boiling phenols present. Thus, from the straight-run gasoline, the tribromo deriv. of the 1,3,5-xylene was sepd., and mixtures of cresoy- and xylenoxy-acetic acids have been identified. The higher-boiling parts of the acidic fraction are composed of phenols and acidic asphaltenes. The acidic asphaltenes yield on distn. at atm. pressure low-boiling neutral oils (gasolines), phenols, which are insol. in petroleum ether, and high-boiling oils, whereby CO <sub>2</sub> is produced during distn. The acidic asphaltenes are converted into the Na salts of the acids on sapon. Thus, the acidic asphalts most probably are lactonic and anhyd. types of phenol acids or hydroxy acids. The phenols are more stable to heat than the acidic asphaltenes.										They are almost free from esters or acid anhydrides and accordingly they produce only small amounts of CO <sub>2</sub> and neutral oils. The tar produced in gas retorts contains about 15% of the acidic fraction, which contains only 30% of phenols. The tar from the tunnel furnace contains about 0.5% phenols, which are probably contaminated with acidic asphaltenes. A. A. B.									
ASB-1A METALLURGICAL LITERATURE CLASSIFICATION																			
ECONOMIC SURVEYS										ECONOMIC SURVEYS									
160000	1	320000	400	480	560	640	720	800	880	1300	2000	2800	3600	4400	5200	6000	6800	7600	8400
M	O	E	N	C	E	S	T	R	U	A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20







**Shale tar phenols.** N. V. RAKOVSKI, D. N. ANPILOVSKII, and B. A. KATSEVSKII (Chim. Tverd. Topl., 1957, 9, 1090-1107).—The acid constituents of the 180°-380° fraction of Odov shale tar were extracted with 10% aq. NaOH, separated with 15% H<sub>2</sub>SO<sub>4</sub>, and dissolved in Et<sub>2</sub>O, and solution was treated with 1% aq. NaHCO<sub>3</sub> to remove carboxylic acids. The residue was separated into phenols and acidic asphaltenes by treatment with 30-70° light petroleum. The extracted phenols were purified by further treatment with NaOH and H<sub>2</sub>SO<sub>4</sub>, and by dissolving in Et<sub>2</sub>O to remove neutral oils. The acidic asphaltene residue was also freed from light petroleum. The original fraction yielded 12.6 wt.-% of acidic constituents (60-4% was phenole). The latter were fractionated at 1 atm.: 200-280° 34%, 280-300° 6%, 300-320° 20%, 320-340° 18%, 340-360° 6%; the average mol. wt. was 215. The phenols, on hydrogenation over MoS<sub>2</sub> for 8 hr. at 360-380° with 27-40 atm. initial H<sub>2</sub> pressure, yielded 78.5% (on wt. of phenols) of neutral oil; 16% of this oil distilled below 280°. Particulars of the fractions are given. The acid asphaltenes (mol. wt. 200) on hydrogenation (370-390°, 43-45 atm. initial H<sub>2</sub> pressure) yielded 74.1% of neutral oil (on crude); 71% of this oil distilled below 280°. Particulars of the fractions are given.

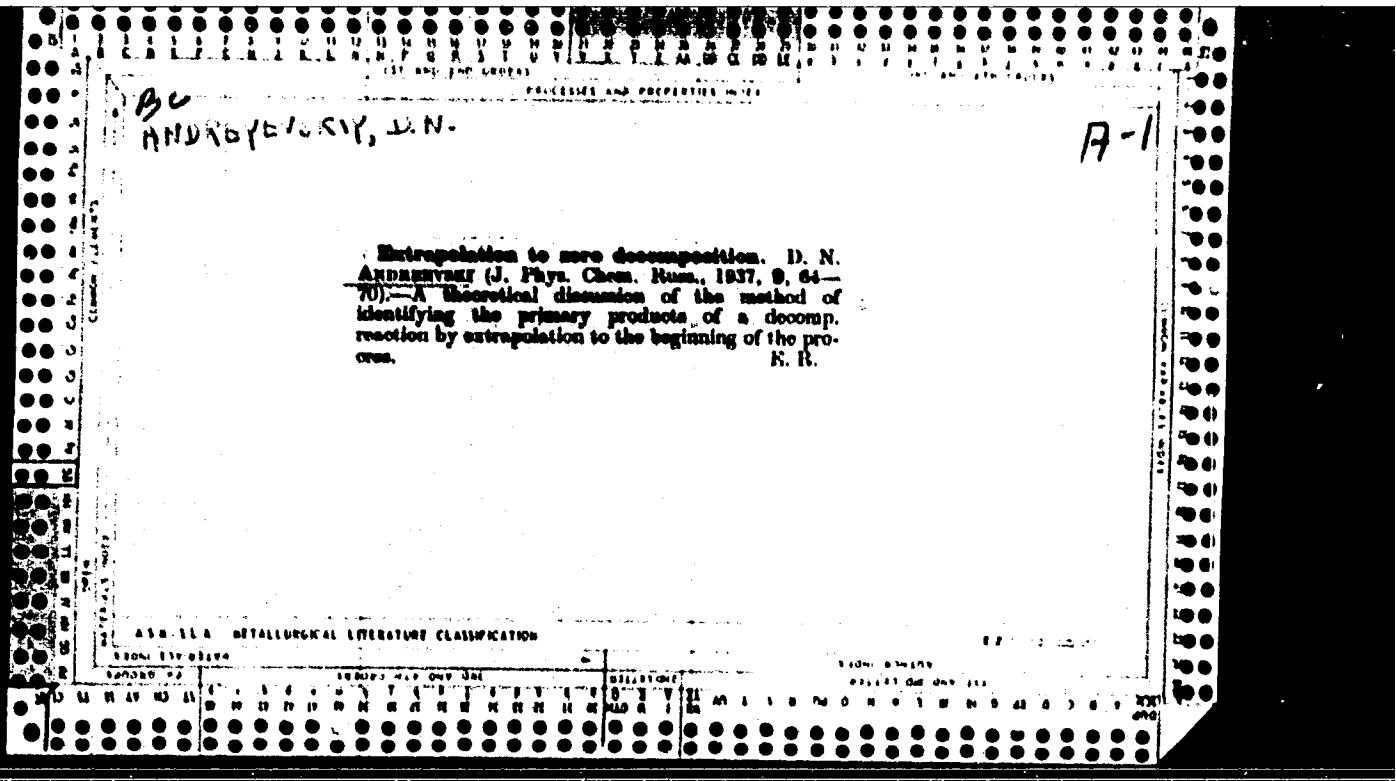
B-I-2

#### A 58.124 METALLURGICAL LITERATURE

P.9

**APPROVED FOR RELEASE: 03/20/2001**

CIA-RDP86-00513R000101410013-0"



**Benzene activity in the aluminum bromide + benzene system.** D. N. Andreevskii (Aviation Eng., Number 2, 1947, p. 164) has published some new data on the benzene activity in the aluminum bromide + benzene system. The author found that the activity of benzene in the system AlBr<sub>3</sub> + C<sub>6</sub>H<sub>6</sub> at 100°C. is 0.00817 At 100°C. 0.008020 At 200°C. If AlBr<sub>3</sub> is assumed to be dimer, Al<sub>2</sub>Br<sub>6</sub>, the activities of benzene at 100°C. and 200°C. with their mol. ratios

**APPROVED FOR RELEASE: 03/20/2001**

**CIA-RDP86-00513R000101410013-0"**

ANDREYEVSKIY, D.N.

USSR/Physical Chemistry - Thermodynamics. Thermochemistry. Equilibrium.  
Physicochemical Analysis. Phase Transitions, B-8

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 60997

Author: Andreyevskiy, D. N.

Institution: None

Title: Entropy and Its Use in Chemical Thermodynamics

Original  
Periodical:

Zh. fiz. khimii, 1955, 29, No 8, 1527-1529

Abstract:

Referring to previously published papers (Referat Zhur - Khimiya, 1956, 3398, 9305) the author considers that discussions presented therein concerning the role and significance of entropy in chemical thermodynamics "must be made of quantitative nature which should render concrete the role of both factors, clearly show their gist and reveal the dialectic nature of the 2-nd law."

Card 1/1

SOV/124-59-8-8742

Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 8, p 64 (USSR)

AUTHOR: Andreyevskiy, D.N.

TITLE: The Ideal Cycle of a Reciprocating Carburetor Engine of Internal Combustion With Supercharging

PERIODICAL: Tr. Kuybyshevsk. aviats. in-t, 1957, Nr 3, pp 65 - 82

ABSTRACT: The author discusses the possibility of approximating the ideal cycle of an internal combustion engine to the actual cycle by calculating the processes of compression and expansion according to the equilibrium-adiabate for the case of equilibrium of chemical reactions. The equilibrium conditions are determined in the main by the degree of dissociation of the water vapor and the equilibrium of the water gas reaction. Beginning the calculation, the author applies an arbitrary reaction of combustion of the working mixture, which further is reduced to the equilibrium state corresponding to the given temperature; thereupon the equilibrium state of the gases is determined in accordance with the equilibrium constant, and for the latter the equation of combustion is obtained,

Card 1/2

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## AUTHORS:

Andeyevskiy, D. N., Krentsel', B. A.  
Topchiyev, A. V., Member of the AS USSR.

20-118-5-23/59

## TITLE:

On the Thermodynamics of the Hydrochlorination Reaction of  
Isobutylene (K voprosu o termodynamike reaktsii gidrokhloriro-  
vaniya izobutilena)

## PERIODICAL:

Doklady Akademii Nauk SSSR, 1958, Vol. 118, Nr 5,  
pp. 931-934 (USSR)

## ABSTRACT:

These reactions are equiponderant for unsaturated hydrocarbons. The thermodynamic calculation of the reaction mentioned in the title above is interesting. It is also of essential practical importance for the choice of the optimum parameters of the process. The authors give a short bibliography (references 1-3). At present the possibilities of a rigorous thermodynamic computation of the reaction mentioned in the title are given, that is by using the molecular and spectroscopic data for tertiary butylchloride. Its molecule has a symmetry of the class  $C_{3v}$ . It can be regarded as a C-Cl frame to which 3 symmetric  $-CH_3$  gyroscopes are fixed. As the rotation of the methyl groups does

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On the Thermodynamics of the Hydrochlorination  
Reaction of Isobutylene

20-118-5-23/59

not change the main moments of inertia for simplification the "shaded" model of the molecule was chosen that is, a C-H combination of each methyl group was regarded as being in the same plane as the C-C combination. With chosen angles and distances between the atoms (both given here) the atom coordinates show results which are given in table 1. The "z" axis coincides with the direction of the C-C combination. From that the moments of inertia of the whole molecule are computed. Their product  $I_x I_y I_z$

=  $1,400 \cdot 10^{-113}$ . The value of the molecular weight (92.569) and the last-mentioned product render it possible to compute the corresponding terms of the entropy of the free energy and of other thermodynamic functions of one mole of the respective gas in dependence on the temperature. For the entropy and for the free energy formulae (1) and (2) are derived. From these the values of the thermodynamic functions were computed which are caused by all progressive rotary motions (those of the  $\text{CH}_3$  gyroscopes included) and by the oscillating motions of the molecules (table 2). These functions were computed with a potential of 2000 Kal per Mole which accords best with the experimental data (reference 1) with regard to the corrections because of the retardation of the rotation of the methyl groups. By combining the value

Card 2/4

S/020/60/135/002/017/036  
B016/B052

AUTHOR: Andreyevskiy, D. N.

TITLE: Isomerization Equilibrium of Bromopropanes

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol. 135, No. 2,  
pp. 312 - 315

TEXT: The author reports on his studies and experiments on the isomerization equilibrium of bromopropanes. The results of Refs. 1-7 are discussed first. So far, it has not been possible to prepare certain alkyl halides in pure state by: a) direct halogenation of hydrocarbons, or b) the addition of hydrogen halide to the double bond. This is explained by the thermodynamic probability of the reaction course in both directions according to the Markownikoff rule. In a normal reaction following this rule, the thermodynamic and kinetic factors act in the same direction. In some cases, however, the influence of these factors differs. There exist no exact thermodynamic methods for the determination of the maximum amount of 1- and 2-bromopropanes. The isomerization heat of the process 1-bromopropane  $\rightarrow$  2-bromopropane was calculated to be 3200 kcal.

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## Isomerization Equilibrium of Bromopropanes

S/020/60/135/002/017/036  
B016/B052

This value was obtained by G. B. Kistiakowsky's method (Ref.7). The isomerization equilibrium of bromopropanes was studied at the boiling point of 2-bromopropane ( $60^{\circ}\text{C}$  in liquid phase with  $\text{AlBr}_3$  catalyst) and at  $250^{\circ}\text{C}$ . In the latter case, equilibrium in the vapor phase could be established with a nitrogen current and without a catalyst. At  $250^{\circ}\text{C}$ , 1-bromopropane had an equilibrium content of 5.2%, and the equilibrium constant  $K_{523^{\circ}\text{K}}$  was 18.5. The equilibrium constants of the vapor phase at  $523^{\circ}\text{K}$  and  $333^{\circ}\text{K}$  are equal to 18.5 and 110, respectively. Hence, the change of the free energy of the reaction  $\text{CH}_3\text{CH}_2\text{CH}_2\text{Br} \rightleftharpoons \text{CH}_3\text{CHBrCH}_3$   $\Delta Z_{333^{\circ}\text{K}}^{\circ}$   $= -3110$  cal/mole;  $\Delta Z_{523^{\circ}\text{K}}^{\circ} = -3020$  cal/mole, or generally  $\Delta Z_T^{\circ} = -3270 + 0.474 T$ . The isomerization heat  $\Delta H_T^{\circ}$  was calculated to be  $-3270$  cal/mole according to Kistiakowsky's rule.  $\Delta S_T^{\circ} = -0.474$  entropy units. The two isomers were obtained in a spectroscopically pure state by repeated fractionation. Fig.1 shows infrared spectra taken by L. P. Shadrin by means of the double-beam device ИКС-14 (IKS-14). In

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Isomerization Equilibrium of Bromopropanes

S/020/60/135/002/017/036  
B016/B052

both phases, equilibrium was reached from both sides. V. M. Aleksandrova assisted in this work. There are 1 figure and 8 non-Soviet references.

ASSOCIATION: Kuybyshevskiy industrial'nyy institut im. V. V. Kuybysheva  
(Kuybyshev Industrial Institute imeni V. V. Kuybyshev)

PRESENTED: May 30, 1960, by A. V. Topchiyev, Academician

SUBMITTED: May 30, 1960

Card 3/3

ANDREYEVSKIY, D.N.; ALEKSANDROVA, M.I.

Dimethylphenyl-p-cresol and some of its derivatives. Zhur.prikl.  
khim. 34 no.10:2302-2306 0 '61. (MIRA 14,11)

1. Laboratoriya organicheskogo sinteza Kuybyshevskogo industrial'nogo  
instituta.

(Cresol)

ANDREYEVSKIY, D.N.; ROZHNOV, A.M.

Thermodynamics of alkyl halides. Isomerization of propyl iodide. Neftekhimiia 2 no.3:378-383 My-Je '62. (MIRA 15:8)

1. Kuybyshevskiy industrial'nyy institut imeni V.V.Kuybysheva.  
(Propane) (Alkyl halides)

ROZENOV, A.M.; ANDREYEVSKIY, D.N.

Equilibrium of the reaction  $C_2H_5Br \rightleftharpoons C_3H_6 + HBr$ .  
Dokl. AN SSSR 147 no. 2: 388-391 N '62. (MIRA 15:11)

1. Kuybyshevskiy industrial'nyy institut im. V.V. Kuybysheva.  
Predstavлено akademikom A.V. Topchiyevym.  
, (Propene)  
(Hydrobromic acid)  
(Chemical equilibrium)

ROZHNOV, A.M.; ANDREYEVSKIY, D.N.

Dehydrobromination of isopropyl bromide. Neftekhimiia 3 no.3:  
405-412 My-Je '65. (MIRA 16:9)

1. Kuybyshevskiy industrial'nyy institut imeni Kuybysheva.  
(Propane) (Hydrobromic acid)

DAROVSKIKH, G.T.; ANDREYEVSKIY, D.N.; ZHAVORONOK, S.G.

Ethers of dimethylphenyl-p-cresol and their utilization.  
Khim. prom. no.4:261-263 Ap '63. (MIRA 16:8)

ROZHNOV, A.M.; ANDREYEVSKIY, D.N.

Isomerization of bromopropane. Neftekhimika no.1 till-118  
Ja-F'64 (M RA 17:6)

1. Kuybyshevskiy politekhnicheskiy institut imeni V.V. Kuybysheva.

DOKHNOVA, S.V.; A.DREYERVIT, D.P.

Equilibrium of 2-chlorobutene dehydrochlorination. Neftekhimija  
4 no.2:329-336 Mr-Apr'64 (N:RA 17:8)

1. Kuybyshevskiy politekhnicheskiy institut named Kuybysheva.

ANDREEVSKIY, D.N.; LEVANOVA, S.V.

Equilibrium of the isomerization of butenes. Neftekhimia 4 no.4:  
558-560 Jl-Ag '64. (MIRA 17:10)

1. Kuybyshevskiy politekhnicheskiy institut im. V.V. Kuybysheva.

LEVANOVA, S.V.; ANDREYEVSKIY, D.N.

Thermodynamic reaction in the dehydrochlorination of tertiary  
butyl chloride. Neftekhimia 4 no.3:476-480 My-Je '64.

(MIRA 18:2)

1. Kuybyshevskiy politekhnicheskiy institut im. V.V.Kuybysheva.

ANDREYEVSKIY, D.N.

Regularities in the values of certain thermodynamic functions  
of alkyl halides. Neftekhimiia 5 no.1:126-131 Ja-F '65.  
(MIRA 18:5)  
1. Kuybyshevskiy politekhnicheskiy institut imeni Kuybysheva.

KABO, O.Ya.; ANDREYEVSKIY, D.N.

Thermodynamics of the isomerization of monochlorpropanes.

Neftekhimiia 5 no.1:132-135 Ja-F '65.

(MIRA 18:5)

1. Kuybyshevskiy politekhnicheskiy institut imeni Kuybysheva.

KABO, G.Ya.; ANDREYEVSKII, D.N.

Thermodynamic functions of iodoalkanes. Izv. vys.schob.seriya  
khim.i khim.tekh. 8 no.4;574-573 '65.

(MIIR 1631)

I. Kuytyshevskiy politekhnicheskiy institut imeni Kuybysheva,  
keferin tekhnologii osnovnogo organicheskogo sinteza i  
sinteticheskogo kauchuka.

ANDREYEVSKIY, D.N.; KABO, G.Ya.

Change in the entropy of certain reactions of aliphatic  
halide compounds. Zhur. fiz. khim. 39 no.6:1514-1515 Je '65.  
(MIRA 18:11)

1. Kuybyshevskiy politekhnicheskiy institut. Submitted  
April 13, 1964.

ANDREYEVSKIY, D.N.

Symmetry and heat of formation of isomers of some substituted  
n-alkanes. Zhur.fiz.khim. 39 no.7:1719-1722 Jl '65.

(MIRA 18:8)

1. Kuybyshevskiy politekhnicheskiy institut.

ACCESSION NR: AP4044554

S/0204/64/004/004/0558/0560

AUTHOR: Andreyevskiy, D. N., Levanova, S. V.

TITLE: The isomerization equilibrium of butenes

SOURCE: Neftekhimiya, v. 4, no. 4, 1964, 558-560

TOPIC TAGS: butene-1, butene-2, isomerization, cis-butene, trans-butene, propene, alkene, equilibrium constant, entropy

ABSTRACT: The determination of the equilibrium concentrations of butene-1 in mixtures with cis-and trans-butene-2 is necessary for calculating the course of various reactions, especially the isomerization of the butenes. In the present paper, the equilibrium constants for butene isomers are compared, and the equilibrium concentrations and temperature dependence of the log K values for the isomeric n-butenes are plotted and tabulated. There was good agreement between the experimental findings and data in the literature. The difference in the slope of the log K lines for the isomerization equilibria of the reactions butene-1  $\rightleftharpoons$  trans-butene-2 and butene-1  $\rightleftharpoons$  cis-butene-2 corresponds to a slight difference in the heat of isomerization and to a considerable difference in the entropy values for the transition of butene-1 to the two butene-2 isomers. The variation of the entropy increment

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ANDRE (SOKOY, I. L.

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Destructive hydrogenation of peat tar. I. Hydrogenation in the liquid phase. I. L. Andreevskii, I. S. Diner, B. A. Mitkalev, M. S. Neimark and I. Ryskin. Khim. Tverdogo Toplira 6, 326-42 (1955).—In an attempt to det. the quantity and quality of com. fuels obtained by the hydrogenation of peat tars, the following catalysts were investigated:  $\text{Mo}_3$ ,  $\text{H}_2\text{MoO}_4$ ,  $\text{MoO}_3$  (active),  $\text{Sb}_2\text{S}_3$ ,  $\text{MoS}_2$  and  $\text{Cr}_2\text{O}_3$  (amorphous).  $\text{MoS}_2$  gives good results. The process was carried out in 2 stages: (1) a liquid-phase crude tar was hydrogenated at low temp under conditions to prevent coke formation and to give the least amt. of gas; (2) the distillates were converted into gasoline at high temp. (vapor-phase stage). The best conditions for the first stage were: temp. about 430-440°, pressure 200 atm, and the amt. of circulating gas = 0.1 l./hr. Analytical data for various peat tars and details of expts. and app. are given. Ten references.  
A. A. Podgorny

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

AUTHOR: Andreyevskiy, I.L. 307-26-58-10-19/51

TITLE: The Action of Bacteria on an Oil Seam (Bakterial'noye voz-deystviye na neftyanoy plast)

PERIODICAL: Priroda, 1958, Nr 10, pp 90-91 (USSR)

ABSTRACT: Soviet microbiologists Shturm, Ginzburg-Karagicheva, Kuznetov, Kolesnik, Isachenko, Ekzertsev, etc, have shown that there is a specific microflora present in the oil seams of the USSR, capable of drawing its energy and sustenance from the oil carbon. Sulfate-reducing, denitrifying and other, non-identified species of microflora have been isolated in samples taken from oil seams under conditions excluding the possibility of the microflora infiltrating into the seam from the atmospheric outside. The viscosity of oil from the Yaregskoye Oil Field has dropped considerably between 1940 - 1952, which could be explained by an increase in bacterial activity as a result of the formation of ferrous sulfate which activates the microbes. The author describes experiments where oil samples from Nr III Seam were subjected to bacterial action under laboratory conditions, and lists the changes in viscosity and fraction composition to which this treatment led. The general effect is a break-down in the resinous

Card 1/2

The Action of Bacteria on an Oil Seam

SOV-26-58-10-19/51

components of the oil and the secretion of a certain amount of free nitrogen which remains unused by the microbes - which cannot help but have a good effect on the oil-output of the seam. A comparison of the mineral part of seam water with the recipe for the nutrient media used in the laboratory experiments shows that the former is lacking mainly in nitrates, sulfates and phosphates. If these minerals are artificially introduced into the seam, the conditions for bacterial activity will be greatly improved. If nitrates are excluded from the balance of the nutrient media, "nitrogen starvation" will be created and the microflora in the seam will find it easier to act on the heavy resinous oil components. The author gives the results of experiments to support this premise.

ASSOCIATION: Neftegashkta Nr 1 Komi Sovnarkhoz (Oil Shaft Nr 1 of the Komi Sovnarkhoz)

1. Petroleum--Viscosity    2. Bacteria--Nutrition

Card 2/2

ANDREYEVSKIY, I.L.

Possibility of applying petroleum microbiology to petroleum  
production methods. Trudy VNIGRI no.131:403-415 '59.  
(MIRA 12:9)  
(Petroleum--Bacteriology)

ANDREYEVSKIY, I.L.

Effect of microflora of the third layer of the Yarega field  
on the change in the composition and properties of petroleum.  
Trudy Inst.mikrobiol. no.9:75-80 '61. (MIRA 15:5)

1. Neftekhakhta No.1, Ukhta.  
(Yarega region—Petroleum—Microbiology)

ANDREYEVSKIY, I. L.

Dissertation defended at the Institute of Microbiology for the academic degree of Candidate of Biological Sciences:

"Prospects for the Bacterial Treatment of Petroleum Strata."

Vestnik Akad Nauk No. 4, 1963, pp. 119-145

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101410013-0

*ANDREYEVSKIY, M.G., inzh.*

~~Interaction of air temperature and rails lying on tracks.~~  
Vest. TSNII MPS 16 no.8:56-57 D '57. (MIRA 11:1)  
(Railroads--Rails)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101410013-0"

ANDREYEVSKIY, M.G., kand.tekhn.nauk (Tashkent); INYUTIN, I.S., kand.  
tekhn.nauk (Tashkent); SINYAGIN, Yu.A., inzh. (Tashkent)

New technology of tie insert repair. Put' i put.khoz. 10  
no.1:12-15 '66. (MIRA 19:1)

ANDREYEVSKIY, M.G., inzh. (Tashkent); PANCHENKO, M.Kh., inzh. (Tashkent)  
Sinyagin, Yu.A., inzh. (Tashkent)

Use of reinforced-concrete ties on the Tashkent Railroad. Zhel.  
dor. transp. 43 no. 1:51-52 Ja '61. (MIRA 14:4)  
(Railroads—Ties, Concrete)

ANDREYEVSKIY, M.G., kand.tekhn.nauk; INYUTIN, I.S., dotsent, kand.tekhn.nauk;  
SINYAGIN, Yu.A., inzh.

Use of polymers in the repair of reinforced concrete ties. Put'  
put.khoz. 8 no.2:15-16 '64. (MIRA 17:3)

1. Salarskaya distantsiya Sredneaziatskoy dorogi. 2. Starshiy  
dorozhnoy master Salarskoy distantsii Sredneaziatskoy dorogi (for  
Sinyagin).

ANDREYEVSKIY, M.G., kand. tekhn. nauk (Tashkent); INYUTIN, I.S., kand. tekhn. nauk (Tashkent); SINYAGIN, Yu.A.

Causes of the failure of fastening screws. Put' i put. khcz.  
9 no.10:33 '65. (MIRA 18:10)

1. Nachal'nik uchastka Tashkentskoy distantsii (for Sinyagin).

ANDREYEVSKIY, Mir Nikolayevich; USHOMIRSKAYA, M.M., inzhener redaktor;  
TUBYANSKAYA, T.G., redaktor izdatel'stva; LEBEDEVA, L.A., tekhnicheskiy redaktor

[Construction of decimeter and meter wave generators] Konstruktsii generatorov detsimetrovых и метровых волн. Moskva, Gos. izd-vo obor. promyshl., 1956. 131 p.  
(Oscillators, Electric) (MLRA 9:8)

6(4); 7(7)

PHASE I BOOK EXPLOITATION SOV. 112

Andreyevskiy, Mir Nikolayevich

Konstruirovaniye elementov radioperedatchikov, ustanavlivayemykh na podvizhnykh ob'yektaakh (Component Design of Radio Transmitters for Mobile Use) Moscow, Oborongiz, 1959. 261 p.  
22,500 copies printed.

Sponsoring Agencies: Moscow. Aviationsionnyy institut im. Sergo Ordzhonikidze, and Ministerstvo vysshego obrazovaniya SSSR.

Eds.: V.F. Rakhmanov Candidate of Technical Sciences, and V.G. Ter-Zakharyan, Engineer; Ed. of Publishing House: N.A. Gortsuyeva; Tech. Ed.: L.A. Larnukhina; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: The book is intended for students in the radio engineering departments of schools of higher education and teknikums. It may be also useful to radio design engineers and to radio amateurs.

COVERAGE: The author explains the basic principles of designing

Card 1/4

## Component Design of Radio (Cont.)

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Card 3/4

GUSEV, Vladimir Petrovich. Prinimali uchastiye: SAKHAROV, M.A.; OBICHKIN, Yu.G.; FOMIN, A.V.; SEMIKOV, G.A.; NAZAROV, A.S.; ANDREYEVSKIY, M.N., retsenzent; KUNIYAVSKIY, G.M., retsenzent; BLINNIKOV, I.V., retsenzent; BEREZNITSKIY, V.S., red.; SUKHANOV, Yu.I., red.; SVESHNIKOV, A.A., tekhn. red.

[Technology of the manufacture of radio electronic equipment] Tekhnologiya proizvodstva radioelektronnoi apparatury. Moskva, Izd-vo "Sovetskoe radio," 1961. 387 p. (MIRA 14:9)  
(Radio—Equipment and supplies)

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A 53

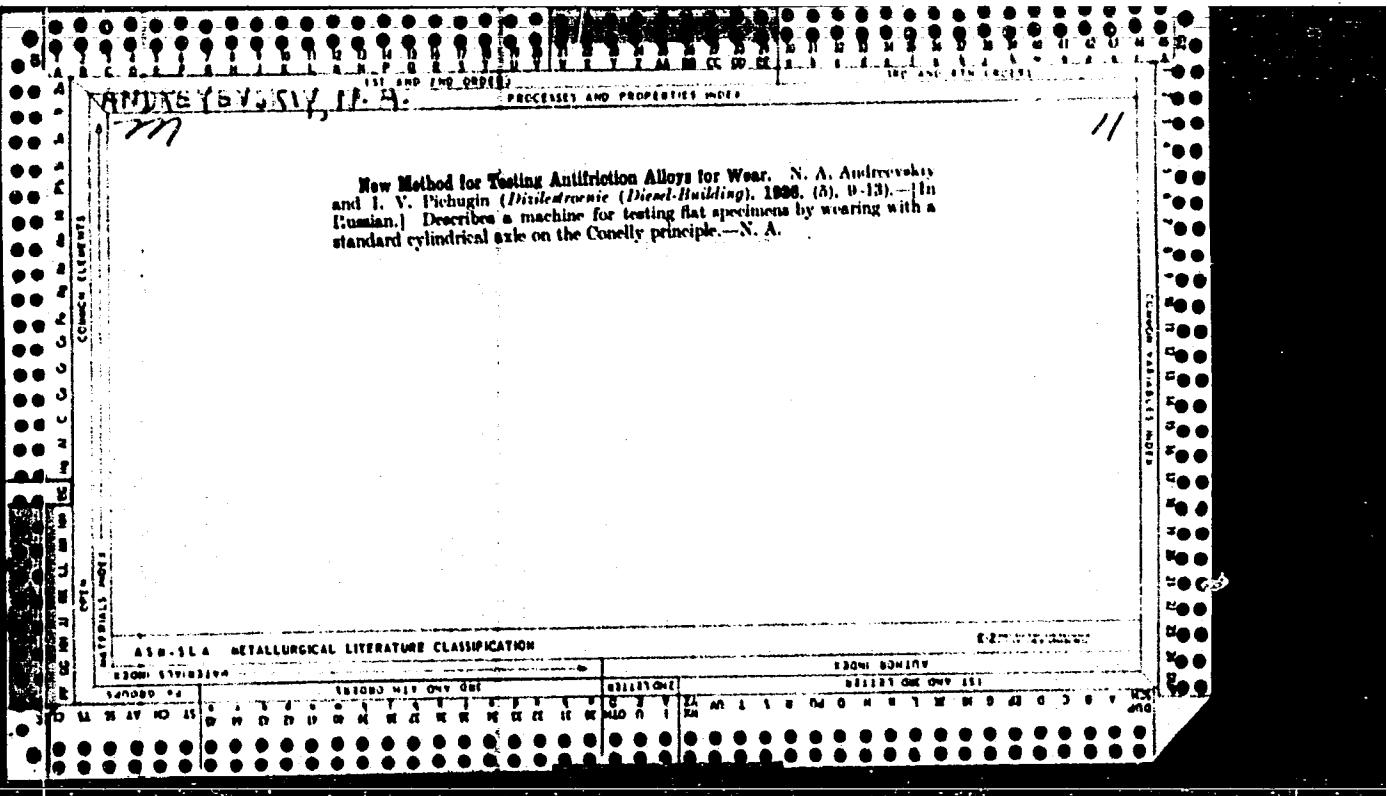
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met.  
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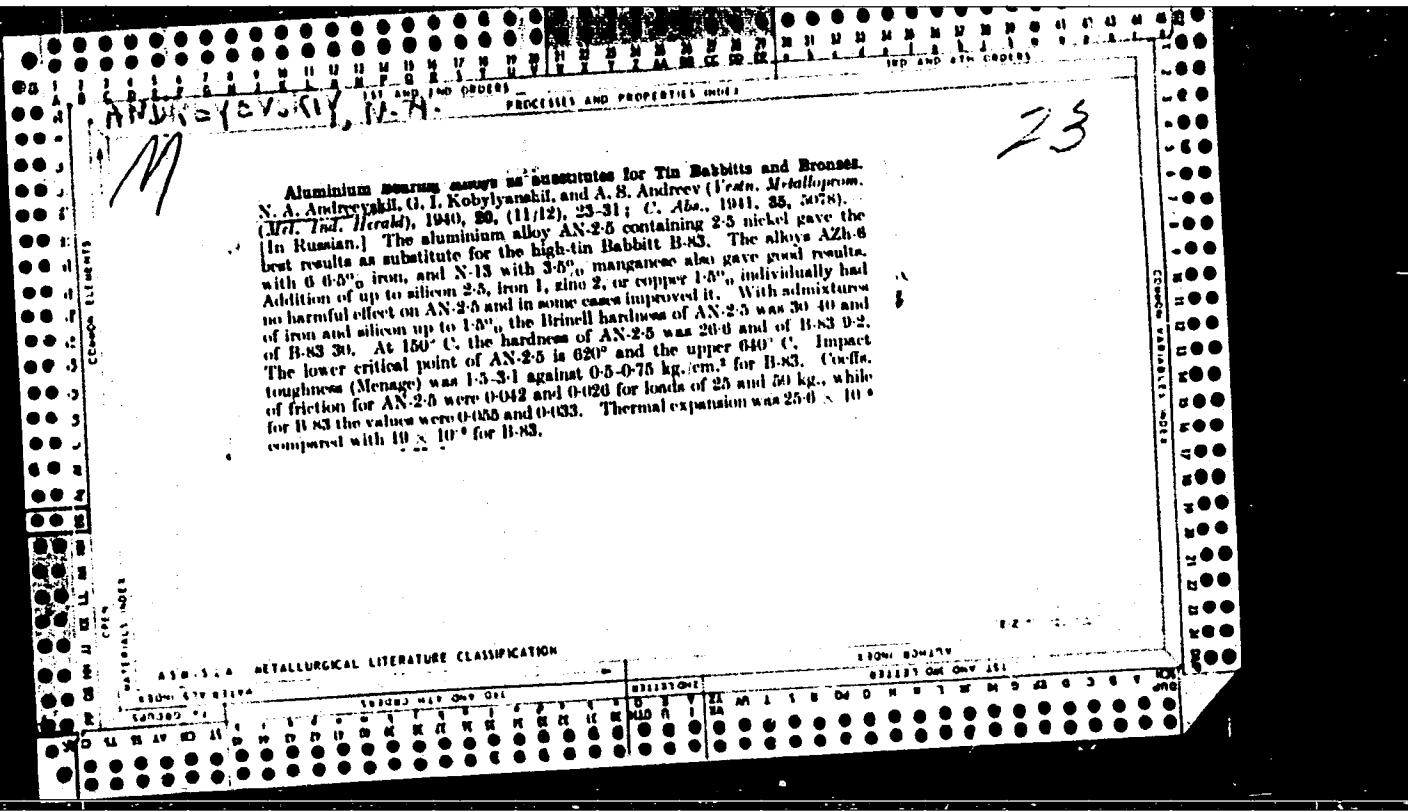
\* 4458. Piezoelectric Dynamometer for Measurement of Impulsive Forces. N. AGRONOVSKI. J. Techn. Phys. U.S.S.R. 9, 8, pp. 680-686, 1959. In Russian.—A dynamometer is described in which the impulsive force is applied to quartz plates. The consequent change of potential of a collector plate is recorded on an oscillograph after amplification. The use of the instrument for following the rupture of a steel rod is described. D. S.

ANDRELEVSKIY, N.  
25698

Uskorennoye Pastitel'nogo Kompo-sta. Sad i Ogorod, 1948, l.o. 7, s. 78.

SO: LETOPIS NO. 30, 1948





ANDREEVSKIY, N.A., BARANOV, S.M.; VANSHEYDT, V.A., professor, doktor  
tekhnicheskikh nauk; VELIKSON, D.M.; GENDLER, L.V.; IVANCHENKO, N.N.;  
ISTOMIN, P.A.; KATS, A.M. [deceased]; KOLLEROV, L.K.; LEVIN, M.I.;  
NIKITIN, M.D.; ROZHDESTVENSKIY, V.V.; GOFMAN, Ye.K., redaktor izda-  
tel'stva; POL'SKAYA, R.G., tekhnicheskiy redaktor

[Diesel engines; a handbook for designers] Dizeli; spravochnoe posobie  
konstruktora. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-  
ry, 1957. 442 p.  
(MLRA 10:10)  
(Diesel engines)

SUBJECT: USSR/Irrigation

99-3-2/7

AUTHOR: Andreyevskiy, N.S., EngineerTITLE: Sectional Reinforced Concrete Constructions for Irrigation  
and Drainage Systems in the Ukrainian SSR.(Sbornyye zhelezobetonyyye sooruzheniya na orositel'nykh i osushitel'nykh sistemakh  
Ukrainskoy SSR).

PERIODICAL: Gidrotekhnika i Melioratsiya, 1957, Issue # 3, pp 7-21,(USSR).

ABSTRACT: The application of prefabricated concrete units at the construction of reinforced concrete hydrotechnical buildings offers the advantage of speedy erection, lower cost and higher quality. The basic difficulty in the use of prefabricated reinforced concrete units is the construction of sturdy and watertight joints and the advance planning. Besides, poor transportation facilities, as well as the vast areas over which melioration work is being carried out, limit the weight of the individual blocks to 5 tons. The application of lignofol and non-corroding steel at the sliding parts of the gates, reduces friction by 50 %. At the building of the INGULETS irrigation-drainage system sluice gates of the open and pipe-type made of reinforced concrete,

Card 1/3

99-3-2/7

TITLE: Sectional Reinforced Concrete Constructions for Irrigation  
and Drainage Systems in the Ukrainian SSR. (Sbornyye zhelezobetonnnyye sooruzheniya na orositel'nykh i osushitel'nykh sistemakh  
Ukrainskoy SSR).

Besides these blocks, slabs measuring 2,0 x 1,0 x 0,1 m and  
1,5 x 1,0 x 0,1 m are installed on the bottom and the sides of  
the canal at the upper and underwater levels.

The article contains 10 figures, 5 photographs and 2 tables.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress.

Card 3/3

ZAKHARIN, Veniamin Aleksandrovich; ANDREYEVSKIY, O.A., redakteur; GLADKIH,  
N.N., tekhnicheskiy redakteur.

[Helicopters] Vertelet, Moskva, Gos. iind-ve ober. promyshl. 1956  
82 p. (Helicopters) (MIRA 9:5)

BARANOV, A.I.; KUZ'MIN, V.V.; KOROLEV, V.F., inzh., retsenzent;  
ANDREYEVSKIY, O.A., red.; POCHTAR'VA, A.V., red.izd-va;  
EL'KIND, V.D., tekhn. red.

[Standardization and normalization in the machinery industry]  
Standartizatsiya i normalizatsiya v mashinostroenii. Izd.3.,  
perer. i dop. Moskva, Mashgiz, 1963. 314 p. (MIRA 16:5)  
(Machinery industry--Standards)

Subject : USSR/Electricity

AID P - 3069

Card 1/1 Pub. 29 - 3/29

Author : Andreyevskiy, P. D., Eng.

Title : Certain out-of-date aspects of the "Safety Rules of Operating  
Electric Installations of Stations and Substations"

Periodical : Energetik, 7, 6-7, J1 1955

Abstract : The author states that recently important changes have occurred in  
the organization of the operation of the network regions of the  
Ministry of Electric Power Stations. This made certain provisions  
of the 1944 "Safety Rules" obsolete. The author enumerates the  
problems which necessitate revision.

Institution : None

Submitted : No date

ANDREYEVSKIY, S. [Andriieva'kyi, S.], inzh.-elektrik

Electric power plants of tomorrow. Znan. ta pratsia no.1:14-17 Ja '63.  
(MIRA 16:3)  
(Electric power plants)

RUDNEVA, K. A. Ml. Nauchn. Sotr. i ANDREEVSKIY, S. G.; Arkh.

Institut Arkhitektury sooruzheniy Akademii Arkhitektury USSR

Seriya 2-3-Etazhnykh zhilykh domov zabodskogo izgotovleniya novykh materialov sk  
Page 73

SO: Collections of Annotations of Scientific Research Work on Construction, completed  
in 1950.  
Moscow, 1951

ANDREYEVSKIY, S.G., arkitektor.

Designing the sections of panel-built apartment houses. Nov.v  
stroi.tekh.no.4:5-21 '55. (NIRA 10:10)

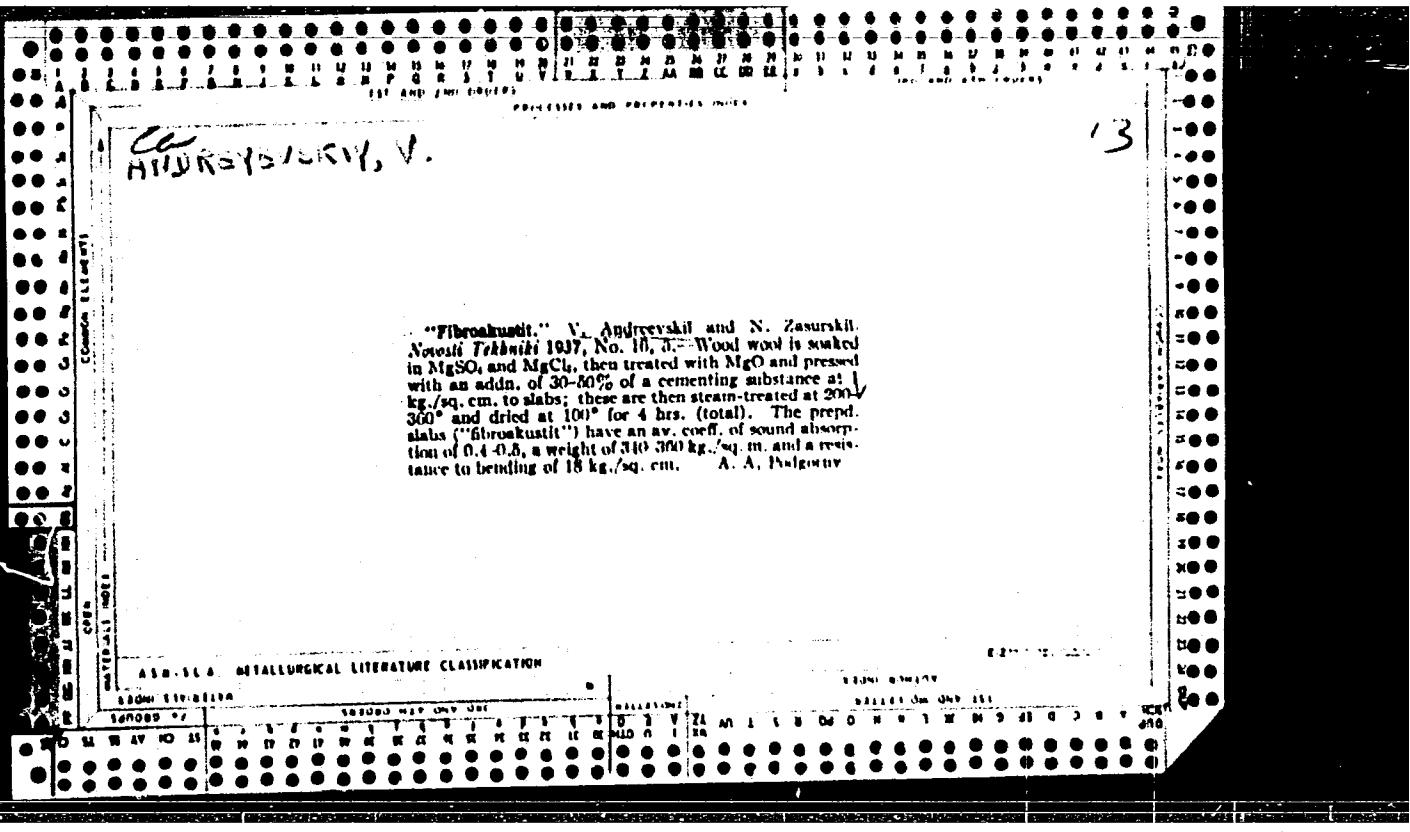
1. Nauchno-issledovatel'skiy institut arkhitektury sooruzheniy  
Akademii arkhitektury USSR.  
(Apartment houses)

ANDREYEVSKIY, S.K. [Andriievs'kyi, S.K.], inzh.

Over-all automation. Nauka i zhyttia 10 no. 11:28-29 N '60.  
(MIRA 14:4)  
(Automation)

ANDREYEVSKIY, V., inzh.

Dispatched radio communication on interurban motorbus lines.  
Avt. transp. 43 no.12:19 D '65. (MIRA 18:12)



ANIREIEVSKIY, V. M.

TROSHICHEV, V. M. - Khudozhhnik i, GROMOV, V. L. - Kand. Tekh. Nauk, POKHELES E. L. - Arkh., PSHENICHNIKOVA, O. S. - Arkh., BUYANOV, Yu. P. - Inzh., BYKOVSKIY, O. L. - Arkh., BAYAR, O. G. (Rukovoditel'temy) - Kand. Arkhitektury, MAKOTINSKIY, M. P. - Kand. Arkhitektury, RABTIEVICH, I. L. - Arkh., CHERIKOVER, L. Z. - Arkh., ANIREIEVSKIY, V. S. - Kand Tekhn. Nauk

Nauchnoissledovatel'skiy institut stroitel'noy tekhniki Akademii arkhitektury SSSR

Predlozheniya po oborudovaniyu i otdelke kvartir mnogoetazhnykh zhilykh domov v moskve (Al'bom)

Page 67

SO: Collection of Annotations of Scientific Research Work on Construction,  
completed in 1950

ANDREYEVSKIY, V.G., kandidat tekhnicheskikh nauk; BYKOV, Z.N.

[Door and window apparatus] Pribory dlja okon i dverej; obraztay  
dlja massovogo zhiliashnogo i grazhdanskogo stroitel'stva. Moskva,  
Gos. izd-vo lit-ry po stroitel'stu i arkhitekture, 1953. 8 p.  
(MIRA 7:1)

1. Rukovoditel' Otdela Khudozhestvennoy promyshlennosti i inter'yera,  
chlen-korrespondent Akademii arkhitektury SSSR (for Bykov). 2. Aka-  
demiya arkhitektury SSSR, Moscow. Nauchno-issledovatel'skiy institut  
arkhitektury zhiliashchi.

(Doors) (Windows)

ANDREYEVSKIY, V.G., kandidat tekhnicheskikh nauk.

Increasing the control for observance of governmental standards  
in the construction industry. Standartizatsiya no.4:75-76 Jl-Ag  
'56. (MLRA 9:11)

(Construction industry--Standards)

ANDREYEVSKIY, V.G., kandidat tekhnicheskikh nauk.

Furniture industry and tasks for the Academy of Building and  
Architecture of the U.S.S.R. Der.prom.5 no.8:16 Ag '56.  
(Furniture industry) (MIRA 9:10)

ANDREYEVSKIY, V.G., kand. tekhn. nauk, dotsent

[Design of furniture] Konstruirovaniye mebeli; uchebnos posobie.  
Moskva, Mosk. vysshee khudozhestvenno-promyshl. uchilishche.  
Pt. 1. [Engineering drawing] Tekhnicheskoye cherchenie. 1962.  
91 p. (MIRA 16:6)

1. Kafedra khudozhestvennoy obrabotki dereva Moskovskogo vysshego  
khudozhestvenno-promyschlennogo uchilishcha (byvsheye Stroga-  
novskoye).

(Furniture--Design and construction)  
(Mechanical drawing)

ANDREYEVSKIY, V. M.

Andreyevskiy, V. M. -- "The Epidemiological Characteristics of Diphtheria in the Period of Low and High Infection Rates." Min Health RSFSR. Leningrad Sanitary-Hygiene Medical Inst. Chair of Epidemiology. Leningrad, 1956. (Dissertation For the Degree of Candidate in Medical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-114

ANDREYEVSKIY, V.M.

Epidemiological characteristics of diphtheria in periods of  
low and high incidence. Trudy LSGMI 32:100-108 '57.  
(MIRA 12:8)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof.V.A.Bashenin).  
(DIPHTHERIA, epidemiol.

in Russia) oscillations of morbidity rate  
(Bue)

ANDREYEVSKIY, V.M.

Epidemiological importance of nontoxic (avirulent) strains of diphtheria in patients and carriers. Trudy LSGMI 32:109-118 (MIRA 12:8) '57.

1. Kafedra epidemiclogii Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta (zav.kafedroy - prof.V.A.Bashenin).  
(DIPHTHERIA, transm.  
carriage of avirulent strains (Rus))

ANDREYEVSKIY, V.M., DVORETSKIY, T.A.

Effect of the conditioned reflex mechanism on changes in the  
agglutinin titer. Trudy LSGMI 45:56-60 '58 (MIRA 11:11)

1. Kafedra epidemiologii Leningradskogo sanitarno-gigiyenicheskogo  
meditsinskogo instituta (zav. kafedroy - prof. V.A. Bashenin).  
(AGGLUTININS)  
(CONDITIONED RESPONSE)

GRINDEL', O.M.; BOLDYREVA, G.N.; BURASHNIKOV, Ye.N.; ANDREYEVSKIY, V.M.

Possibilities of using correlation analysis of the human  
electroencephalogram. Zhur. vys. nerv. deiat. 14 no.5:745..  
754 S-U '64. (MIRA 17:12)

1. Institut neyrokhirurgii im. N.N. Burdenko AMN SSSR i  
Institut vysshey nervnoy deyatelnosti i neyrofiziologii  
AN SSSR.

*ANDREYEVSKIY, V.V.*

PHASE I BOOK EXPLOITATION SOV/5897

Sakharov, G. I., V. V. Andreyevskiy, and V. Z. Bukreyev

Nagrev tel pri dvizhenii s bol'shimi sverkhzvukovymi skorostyami  
(Heating of Bodies at High Supersonic Speeds) Moscow,  
Oborongiz, 1961. 105 p. Errata slip inserted. 4800 copies  
printed.

Sponsoring Agency: Ministerstvo vysshego i srednego spetsial'-  
nogo obrazovaniya RSFSR.

Ed.: K. Ya. Zaytseva, Engineer; Ed. of Publishing House: N. G.  
Kopylova; Tech. Ed.: A. Ya Novik; Managing Ed.: A. S.  
Zaymovskaya, Engineer.

PURPOSE: This book is intended for senior aeronautical students  
and may also be used by aeronautical design engineers.

COVERAGE: The authors have attempted to assemble the scattered  
material on the aerodynamic heating of aircraft surfaces and

Card 1/6

Heating of Bodies at (Cont.)

SOV/5897

cases. The initial data for the sample numerical computations and the graphs are arbitrary. The author thanks N. A. Kheyfets, Doctor of Technical Sciences, S. A. Povitskiy, Candidate of Technical Sciences, V. S. Avduyevskiy, Docent, Candidate of Technical Sciences, and I. I. Drakin, Candidate of Technical Sciences. There are 35 references: 30 Soviet and 5 English.

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## Heating of Bodies at (Cont.)

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Appendix 1. Supersonic flow around a cone	58
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Card 5/6

ANDREYEVSKIY, V.Ya., detment.

New method of vasectomy for bulls and rams. Veterinariia 32  
(MIRA 9:4)  
no.12:64-65 D '55.

1.Belotskerkevskiy sel'skokhozyaystvennyy institut.  
(VASECTOMY) (BULLS) (SHK.)

ANDREYEVSKIY, V. Ya. (Asst Prof. Belya Tserkov' Inst of Agriculture)

"On the Basic Clinical Forms of Sterility in Cows under the Conditions of  
the Central Zone of the Ukraine"

Report given at 13th Inter-VUZ (Higher Educational Insts.) Scientific-Industrial  
Conference, held February, 1956, at Kiev Vet Inst.

ANDREYEVSKIY, V.

KLIMENKO, V.; ANDREYEVSKIY, V.

Unusual case of abnormality in a cow. Veterinaria 33 no.12:  
52 D '56. (MLRA 9:12)

(Abnormalities (Animals))  
(Cows)

NAGORNYY, Ivan Sergeyevich [Nahornyi, I.S.]; PRIMAK, Aleksey  
Yakovlevich [Prymak, O.IA.]; ANDREYEVSKIY, V.Ya.  
[Andriievs'kyi, V.IA.], dots., red.; DOBRZHANSKIY, V.M.,  
[Dobrzhans'kyi, V.M.], red.; POTOTSKAYA, L.A. [Potots'ka,  
L.A.], tekhn. red.

[Udder diseases in cows] Khvoroby vym'ia u koriv. Kyiv,  
Derzhsil'hospvydav URSR, 1962. 90 p. (MIRA 16:5)  
(Udder--Diseases)

ANDREYEVSKIY, Vasiliy Yakovlevich[Andriievs'kyi, V.IA.], kand. vet.  
nauk; SMIRNOV, O.V.[Smyrnov, O.V.], red.; GULENKO, O.I.  
[Hulenko, O.I.], tekhn. red.

[Sterility in cows and measures for its control] Neplid-  
nist' koriv ta zakhody borot'by z neiu. Kyiv, Derzhsil'-  
hospvydav URSR, 1962. 149 p. (MIRA 16:5)

(Sterility in animals)  
(Ukraine--Cows--Diseases and pests)

ANDREYEVSKIY, Yevgeniy Yemel'yanovich; PROSHIN, V.I., otv. red.;  
MIKHALEVSKAYA, V.I., red. izd-va; GARINA, T.D., tekhn. red.

[Economic geography; methodological aid. Program and exercises for control work with methodological instructions for carrying them out for students attending secondary specialized correspondence schools on the seventh grade level. Approved by the Central Methodological Office on Secondary Education, December 19, 1961] Ekonomicheskaya geografiia; metodicheskoe posobie. Programma, zadaniia dlia kontrol'nykh rabot s metodicheskimi ukazaniiami po ikh vypolneniuiu dlia uchashchikhsia zaochnykh srednikh spetsial'nykh uchebnykh zavedenii (na baze 7 klassov). Utverzhdeno TSentral'nym metodicheskim kabinetom po srednemu obrazovaniyu 19 dekabria 1961 g. Moskva, Vysshiaia shkola, 1962. 46 p. (MIRA 15:9)

1. Russia (1923- U.S.S.R.) TSentral'nyy metodicheskiy kabinet po srednemu spetsial'nomu obrazovaniyu.  
(Economic geography)

ANDREYICH'', Anatoliy Nikolayevich

Dobycha i pererabotka kaliynykh soley (by) A.N.  
Andreyichev (i) A.B. Nudel'man. Moskva, Goskhimiz-  
dat, 1960.

450 (I) p. illus., diagrs., tables.

Bibliography: p. 450-(451)

ANDREYKIN, K.A., svarshchik (Novocherkassk)

Why was the R-751 welding unit discontinued? Stroi. truboprov.  
7 no.5:28 My '62. (MIRA 16:6)

(No subject headings)

ANDREYKO, Ivan Ivanovich, assistant

Construction of the principal characteristics of a frequency  
regulated asynchronous motor. Izv. vys. ucheb. zav.; elektromekh.  
7 no.2:174-179 '64. (MIRA 17:4)

1. Kafedra elektricheskikh mashin i apparatov L'vovskogo poli-  
tekhnicheskogo instituta.

"APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101410013-0

ANDREJKO, O.F.

Parasites of rodents in the Moldavian S.S.R. Izv. Mold. fil.  
AN SSR no. 3:33-52 '61. (MIRA 17:6)

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101410013-0"

ANDREYKO, O.F.; YUN' LYAN' [Yün Lien]

*Insinuarotaenia Spasskii nov. sp., a new cestode species from  
predatory mammals. Izv. AN Mold. SSR no.5:12-19 '63.*

(MIRA 17:11)

ANDREYKO, O.F.; PINCHUK, L.M.

Occurrence of the cestode Atriotaenia incisa (Railliet, 1899)  
Spassky, 1951 on the territory of the U.S.S.R. Izv. AN Mold.  
SSR no.5:37-40 '63. (MIRA 17:11)

ANDREYKO, O.F.; KHOTENOVSKIY, I.A.

Morphology and taxonomic position of the trematode Postericirrus  
clethrionomi gen. et sp. nov. (Lecithobodendridae Odhner, 1911;  
Trematoda). Paraz. sbor. 22:220-223 '64.

(MIRA 18:2)

1. Institut zoologii AN Moldavskoy SSR i Zoologicheskiy institut  
AN SSSR.

ANDREYKO, N. T.

"An Investigation of the Structural Properties of Aspen Wood." Cand  
Tech Sci, Moscow Order of the Labor Red Banner Construction Engineering  
Inst imeni V. V. Kuybyshev, 7 Dec 54. (VM, 24 Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher  
Educational Institutions (11)

SO: SUM. No. 521, 2 Jun 55

ANDREYKO, N.T., kand.tekhn.nauk

Effect of moisture on the mechanical characteristics of pine  
wood. Sbor. trud. MISI no.13:94-120 '58. (MIRA 11:8)  
(Wood--Moisture) (Pine)

TEVOSOV, S.P.; ANDREJKO, O.V.

Oxidation of bromine ions in concentrated oil well water by the  
electrochemical method. Azerb.khim.zhur. no.2:141-148 '60.  
(MIRA 14:8)

(Bromine) (Oil wells) (Electrochemistry)

KOGAN, I.D., otv.red.; ANDREJKO, V.F., red.; BORZUNOV, V.M., red.;  
MIRLIN, R.Ye., red.; MIRONOV, K.V., red.; SERGEYEVA, N.A.  
red.izd-va; GUROVA, O.A., tekhn.red.

[Materials of the State Committee on Resources on prospecting  
methods, evaluation and calculation of mineral deposits;  
collected studies] Materialy GKZ po metodike razvedki, promysh-  
lennoi otsenke i podshcheta zapasov mestorozhdenii poleznykh isko-  
paemykh; sbornik. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po  
geol. i okhrane nedr. No.1. 1959. 153 p. (MIRA 13:4)

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"Untersuchung der Kinetik und des Mechanismus der Isotopenverteilung bei der Dissöziation von Kohlendioxyd in elektrischen Entladungen"

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(Photoelectric cells) (Photoelectric measurements)

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AUTHORS: Andreytsev, A.P., and Sventitskiy, I.I.

TITLE: Checking optical radiation in plant cultivation

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika,  
no. 12, 1961, 31, abstract 12V 246. (Mekhaniz. i  
elektrifik. sots. s.kh. no. 2, 1961, 41-45)

TEXT: The article describes an improved method of assessing  
optical radiation (a system of photo-synthesis units) based on  
the spectral sensitivity of an 'average' plant leaf. The  
principal characteristic condition of plant irradiation is the  
effective irradiance - the phyto-irradiance, which is created by  
that part of the radiant flux which can be directly used by the  
plant in the process of photo-synthesis. The principal energy  
characteristic of light sources during the irradiation of plants  
is the effective output - the phyto-output - and the effective  
flux - the phyto-flux. A numerical assessment of the photo-  
synthesis properties of optical irradiation can be obtained with  
a special portable photometric instrument, a phyto-photometer,  
whose spectral sensitivity corresponds to the spectral

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